



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090293-E

**Mode:** Highway

**Status:** Submitted

### US-17

**From/Cross Street:** NC 211

**Specific Improvement Type:** 4 - Upgrade Arterial to Superstreet

**To:** NC 87 (South)

**Project Category:** Statewide Mobility

**Length:** 15.38

**TIP#:** R-4732

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$155,200,000

#### Description:

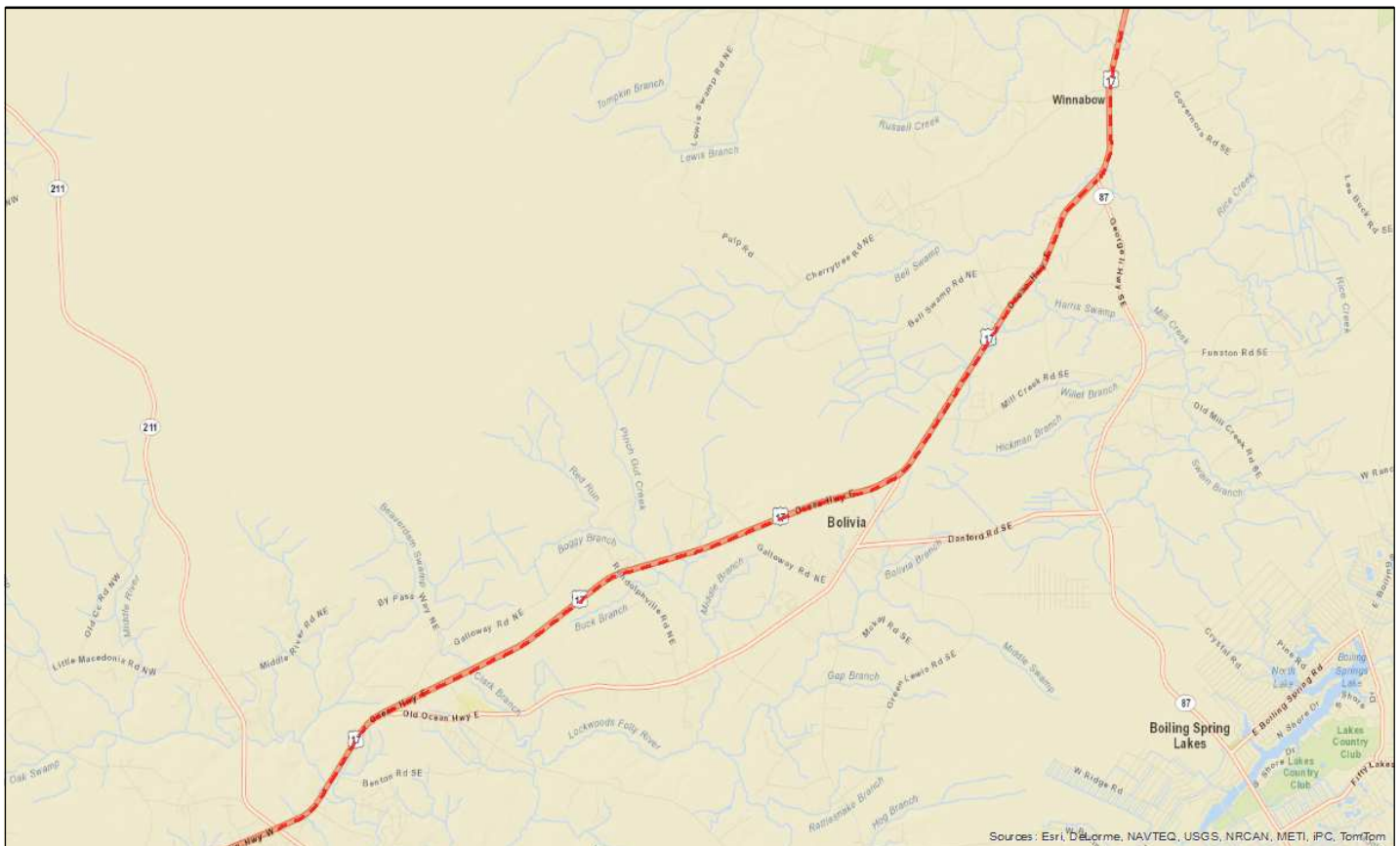
Upgrade Roadway to Superstreet

**Division(s):** Division 3

**County(s):** BRUNSWICK

**MPOS(s)/RPO(s):** Cape Fear RPO, Wilmington Urban Area MPO, Grand Strand Transportation Study Area

### Project Location



**Statewide Mobility Total Score: 12.61**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 23.95 Safety (10%) 24.86 Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 14.68 [Travel Time] Benefit/Cost (30%) 0.00	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 12.61</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 24.86 Multimodal + [Freight & Military] (25%) 14.68 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 70% Weighted Score: 9.88</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 23.95 Safety (20%) 24.86 Multimodal + [Freight & Military] (10%) 14.68	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 11.23</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	15.38
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	20100.66
Capacity:	75800.07
Volume/Capacity Ratio:	0.27
% Autos:	92%
% Trucks:	8%
Truck Volume:	1609.83
Crash Density:	24.14
Crash Severity:	31.64
Critical Crash Rate:	18.81
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	92
Actual Congested Speed:	58.51
Travel Time Index:	0.94

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	15.38
Facility Type:	Superstreet
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-9363835.41
Travel Time Savings for 30 Years (Autos):	-8613898.96
Travel Time Savings for 30 Years (Trucks):	-749936.45
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Brunswick CTP
CTP/LRTP Completion Year:	2010
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Cape Fear RPO	99%	0	0
Wilmington Urban Area MPO	1%	0	0
Grand Strand Transportation Study Area	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$153,722,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,320,000	Cost Estimation Tool
Utilities Cost:	\$158,000	Cost Estimation Tool
Total Project Cost:	\$155,200,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$155,200,000</b>	